CUMULATIVE INDEX: VOLUME 2

First number represents issue, second number represents pagination

SUBJECT INDEX

Acetylators, 2,54 Acute allergic laryngitis, 1,10 Acute asthma, see Asthma, acute Acute epiglottitis, 1,9 Acute respiratory failure, 3,118 Acute upper airway obstruction Heimlich maneuver, 1,2 backslap, 1,2 Choke Saver, 1,2 conscious victim, 1,1-3 cricothyroidotomy, 1,2-3 loud inspiratory stridor, 1.2 nasal trauma, 1,3 neurological causes, 1,11 signs, 1,1, 1,3 surgical management, 1,6-11 time of onset, 1,1-2 tracheal intubation, 1,4 treatment, 1,2, 1,3 unconscious victim, 1,3-4 Adrenalin, 1,17 Adult respiratory distress syndrome (ARDS) antibiotics, 3,151-159 corticosteroids, 3,151-159 defined, 3,100-102 diagnosis criteria, 3,100 etiologic factors, 3,102, 3,123 fluid therapy, 3,125-126 gas exchange after recovery, 3,117-118 gas exchange during resolution, 3,117 gas exchange response to therapy, 3.118-119 historical perspective, 3,99-100 injury detection, 3,167-168 membrane characteristics, 3,111-112 microembolism in, 3,105 mortality rate, 3,104 pathogenesis, 3,104-108 pathology, 3,101 pathophysiologic correlation, 3,116-117 pharmacology, 3,168 pulmonary function following, 3.160-164 research, 3,165-172 respiratory gas exchange,3,114-122 respiratory monitoring, 3,140-150 surfactant abnormalities, 3,101-102 terminology, 3,100 ventilatory management,3,128-129 Afterload reduction, 1,22 Airway edema, 1,34, 1,36 Airway resistance, 1,36 equations, 3,145 Albumin (colloid), 3,125-126 Alveolar interstitium, 3,110-111 transmural pressure (Ptm), 110 Alveolar stability, 3,102 Aminophylline, 1,17-18 Aminosalicylates (PAS), 4,200 Antibiotics, 3,155-157 advantages of, 3,155-156 Antimycobacterial drugs, 4,196-201 generalities, 4,196-197

Apnea, 1,12-15 emergency situation, 1,13-14 infant, 1,12 and propoxyphene, 2,65 time course, 1,12 treatment, 1,12-13 ARDS, see Adult respiratory distress syndrome Arterial blood gases, 3,142-143 alveolar oxygen equation, 3,142 measurements, 1,16-17 Arytenoidectomy, 1,11 Aspen Lung Conference, 16th, 3,100 Aspirated oils, 2,80-81 Aspiration pneumonia and antibiotics, 3,156 and corticosteroids, 3,153 Assisted mechanical ventilation (AMV), 3.129.130-131 Asthma, acute, 1,16-19 assessment, 1,16-17 hospitalization for, 1,18-19 management, 1,17-19 symptoms, 1,16 Asthma, extrinsic, 1,16

Bacile Calmette-Guerin (BCG), 2,83–84, 4,179–180
Bacteriology, 3,167, 4,205
Bergren shunt equation, 3,114
Beta agonists, 1,17
Beta-blocking drugs, 2,85
Bleomycin, 2,48, 2,91–92
Body weight, 3,141
Bohr equation, 3,116, 3,129, 3,143
Enghoff modification, 3,115, 3,143
Bronchiectasis and ARDS, and heroin, 2,61
Bronchodilation, 1,17
Bulsulfan (Myeleran), 2,90–91

Cafe coronary, 1,1 Capreomycin (CM), 4,198-199 Carbofuchsin method, 4,183 Carbon monoxide poisoning, 1,30 Cardiac output changes and arterial oxygenation, 3,119-120 Cardiac tamponade, 1,26-27 Cardiovascular monitoring, 1,22 Charcoal lighter fluid, 2,83 Chemotaxis, 3,165-166 Chemotherapeutic drug-induced pulmonary disease, see Pulmonary disease, chemotherapeutic drug-induced Chest injuries, categories of, 1,24 Chest trauma and antibiotics, 3,156 and corticosteroids, 3,153 Chest wall, 3,144 Chlorambucil (Leukeran), 2,92 Colloid therapy, 3,125-126 Complement system, 3,165-166 Computers, 3,146 Congestive atelectasis, 3,99 Continuous mechanical ventilation (CMV), 1,41 Continuous positive airway pressure (CPAP), 3,100, 3,133

(CPPB), 3,100 Controlled mechanical ventilation (CMV). 3 129 130 Corticosteroids, 2,78-79, 3,151-155 advantages, 3,151-152 alveolar cell function, enhancing of, 3.152 fibrosis, 3,152 inflammation reduction, 3,151 intracranial pressure, lowering of, 3,152 intravascular coagulation or microembolization, 3,151-152 pulmonary blood flow, increasing of, 3.152 Covalent binding, 2,46, 2,49 Cricothyroid muscle, 1,11 Cricothyroidotomy, 1,2-3, 1,7 Cromolyn sodium, 2,82 Cuff pressure, 1,8 Cyclophosphamide (Cytoxan), 2,91 Cycloserine (CS), 4,200

Continuous positive pressure breathing

Dantrolene, 2,85
Decreased compliance, 1,34
Denver, Colorado. National Jewish Hospital, 4,184, 4,236-237
Diacetylmorphine, see Heroin
Diaphragmatic rupture, 1,28
Diphenylhydantoin, 2,51, 2,55, 2,85
Drug-induced pulmonary disease, see Pulmonary disease, drug-induced
Drug-induced systemic lupus erythematosus, see Systemic lupus erythematosus, see Systemic lupus erythematosus
Drug resistance
categories, 4,185-186
detection techniques, 4,186
international concern, 4,186-187

Edema, see Pulmonary edema Elastase, 3,166 Elastic resistance, 1,35-36 increased, 1,34 Electrocardiogram (EKG), 3,142 Endotoxin, 3,124-125 Eosinphilia, 2,72 Epinephrine, 1,17 Esophageal obturator airway (EOA), 1,14 Esophageal rupture, 1,14 Ethambutol (EMB) 4,196-199, 4,229-231 Ethionamide (ETA), 4,199-200, 4,229-231 Expiratory flow rates, 1,6 Expired minute volume, 3,143 Extra-alveolar interstitium, 3,111 Extracorporeal oxygenation, 3,168-169 Extrapericardial injury, 1,27 Extrapulmonary tuberculosis, 4,206,221 acute, 4,206 chronic, 4,206 miliary, 4,206 subacute, 4,206

Fat embolism syndrome antibiotics, 3,156 corticosteroids, 3,153-154 Fibrin(ogen), 3,104 Fibrinolysis, 3,105 Fibronectin, 3,105

CUMULATIVE INDEX: VOLUME 2

First number represents issue, second number represents pagination

SUBJECT INDEX

Acetylators, 2,54 Acute allergic laryngitis, 1,10 Acute asthma, see Asthma, acute Acute epiglottitis, 1,9 Acute respiratory failure, 3,118 Acute upper airway obstruction Heimlich maneuver, 1,2 backslap, 1,2 Choke Saver, 1,2 conscious victim, 1,1-3 cricothyroidotomy, 1,2-3 loud inspiratory stridor, 1.2 nasal trauma, 1,3 neurological causes, 1,11 signs, 1,1, 1,3 surgical management, 1,6-11 time of onset, 1,1-2 tracheal intubation, 1,4 treatment, 1,2, 1,3 unconscious victim, 1,3-4 Adrenalin, 1,17 Adult respiratory distress syndrome (ARDS) antibiotics, 3,151-159 corticosteroids, 3,151-159 defined, 3,100-102 diagnosis criteria, 3,100 etiologic factors, 3,102, 3,123 fluid therapy, 3,125-126 gas exchange after recovery, 3,117-118 gas exchange during resolution, 3,117 gas exchange response to therapy, 3.118-119 historical perspective, 3,99-100 injury detection, 3,167-168 membrane characteristics, 3,111-112 microembolism in, 3,105 mortality rate, 3,104 pathogenesis, 3,104-108 pathology, 3,101 pathophysiologic correlation, 3,116-117 pharmacology, 3,168 pulmonary function following, 3.160-164 research, 3,165-172 respiratory gas exchange,3,114-122 respiratory monitoring, 3,140-150 surfactant abnormalities, 3,101-102 terminology, 3,100 ventilatory management,3,128-129 Afterload reduction, 1,22 Airway edema, 1,34, 1,36 Airway resistance, 1,36 equations, 3,145 Albumin (colloid), 3,125-126 Alveolar interstitium, 3,110-111 transmural pressure (Ptm), 110 Alveolar stability, 3,102 Aminophylline, 1,17-18 Aminosalicylates (PAS), 4,200 Antibiotics, 3,155-157 advantages of, 3,155-156 Antimycobacterial drugs, 4,196-201 generalities, 4,196-197

Apnea, 1,12-15 emergency situation, 1,13-14 infant, 1,12 and propoxyphene, 2,65 time course, 1,12 treatment, 1,12-13 ARDS, see Adult respiratory distress syndrome Arterial blood gases, 3,142-143 alveolar oxygen equation, 3,142 measurements, 1,16-17 Arytenoidectomy, 1,11 Aspen Lung Conference, 16th, 3,100 Aspirated oils, 2,80-81 Aspiration pneumonia and antibiotics, 3,156 and corticosteroids, 3,153 Assisted mechanical ventilation (AMV), 3.129.130-131 Asthma, acute, 1,16-19 assessment, 1,16-17 hospitalization for, 1,18-19 management, 1,17-19 symptoms, 1,16 Asthma, extrinsic, 1,16

Bacile Calmette-Guerin (BCG), 2,83–84, 4,179–180
Bacteriology, 3,167, 4,205
Bergren shunt equation, 3,114
Beta agonists, 1,17
Beta-blocking drugs, 2,85
Bleomycin, 2,48, 2,91–92
Body weight, 3,141
Bohr equation, 3,116, 3,129, 3,143
Enghoff modification, 3,115, 3,143
Bronchiectasis and ARDS, and heroin, 2,61
Bronchodilation, 1,17
Bulsulfan (Myeleran), 2,90–91

Cafe coronary, 1,1 Capreomycin (CM), 4,198-199 Carbofuchsin method, 4,183 Carbon monoxide poisoning, 1,30 Cardiac output changes and arterial oxygenation, 3,119-120 Cardiac tamponade, 1,26-27 Cardiovascular monitoring, 1,22 Charcoal lighter fluid, 2,83 Chemotaxis, 3,165-166 Chemotherapeutic drug-induced pulmonary disease, see Pulmonary disease, chemotherapeutic drug-induced Chest injuries, categories of, 1,24 Chest trauma and antibiotics, 3,156 and corticosteroids, 3,153 Chest wall, 3,144 Chlorambucil (Leukeran), 2,92 Colloid therapy, 3,125-126 Complement system, 3,165-166 Computers, 3,146 Congestive atelectasis, 3,99 Continuous mechanical ventilation (CMV), 1,41 Continuous positive airway pressure (CPAP), 3,100, 3,133

(CPPB), 3,100 Controlled mechanical ventilation (CMV). 3 129 130 Corticosteroids, 2,78-79, 3,151-155 advantages, 3,151-152 alveolar cell function, enhancing of, 3.152 fibrosis, 3,152 inflammation reduction, 3,151 intracranial pressure, lowering of, 3,152 intravascular coagulation or microembolization, 3,151-152 pulmonary blood flow, increasing of, 3.152 Covalent binding, 2,46, 2,49 Cricothyroid muscle, 1,11 Cricothyroidotomy, 1,2-3, 1,7 Cromolyn sodium, 2,82 Cuff pressure, 1,8 Cyclophosphamide (Cytoxan), 2,91 Cycloserine (CS), 4,200

Continuous positive pressure breathing

Dantrolene, 2,85
Decreased compliance, 1,34
Denver, Colorado. National Jewish Hospital, 4,184, 4,236-237
Diacetylmorphine, see Heroin
Diaphragmatic rupture, 1,28
Diphenylhydantoin, 2,51, 2,55, 2,85
Drug-induced pulmonary disease, see Pulmonary disease, drug-induced
Drug-induced systemic lupus erythematosus, see Systemic lupus erythematosus, see Systemic lupus erythematosus
Drug resistance
categories, 4,185-186
detection techniques, 4,186
international concern, 4,186-187

Edema, see Pulmonary edema Elastase, 3,166 Elastic resistance, 1,35-36 increased, 1,34 Electrocardiogram (EKG), 3,142 Endotoxin, 3,124-125 Eosinphilia, 2,72 Epinephrine, 1,17 Esophageal obturator airway (EOA), 1,14 Esophageal rupture, 1,14 Ethambutol (EMB) 4,196-199, 4,229-231 Ethionamide (ETA), 4,199-200, 4,229-231 Expiratory flow rates, 1,6 Expired minute volume, 3,143 Extra-alveolar interstitium, 3,111 Extracorporeal oxygenation, 3,168-169 Extrapericardial injury, 1,27 Extrapulmonary tuberculosis, 4,206,221 acute, 4,206 chronic, 4,206 miliary, 4,206 subacute, 4,206

Fat embolism syndrome antibiotics, 3,156 corticosteroids, 3,153-154 Fibrin(ogen), 3,104 Fibrinolysis, 3,105 Fibronectin, 3,105 Fibrosis, 3,166-167
Fick principle, 3,135
Flail chest, 1,27
Fluid therapy, 1,18, 3,125-126
albumin, 3,125-126
hypovolemic patient, 3,126
isotonic salt solution (ISS), 3,125-126
maintenance phase, 3,125
resuscitation phase, 3,125
Forced expiratory volume, 1,17
Foreign body aspiration, 1,1

Glottic area, 1,8-9 Gold therapy, 2,80 Granuloma formation, 1,8-9 Guillain-Barre syndrome, 1,12, 1,35

Hageman factor (HF) system, 3,105, 3,166 Heimlich maneuver, 1,2 Hematocrit, 3,142 Hemoglobin, 3,142 Hemopericardium, 1,27 Hemothorax, 1,25-26 Heroin, 2,59-62 intoxification, 2,59 pulmonary complications, 2.59-61 pulmonary function studies, 2,61 treatment, 2,61-62 High altitude pulmonary edema, 2,60-61 antidiuresis, 2,61 High pressure pulmonary edema, 2,60 Hospitalization of patients asthma, 1,18-19 tuberculosis, 4,225-226 "Hot potato" voice, 1,10, 1,11 Hydralazine, 2,51, 2,56 Hydrochlorothiazide, 2,85 Hydrostatic gradient, 3,112 Hydroxyurea, 2,94 Hypercapnic respiratory failure, 1,33-37 causes, 1,33-35 equations, 1,33, 1,34 intubation, 1,37 pathophysiologic profile, 1,35 patient monitoring, 1,36 recognition, 1,33 treatment, 1,35-36 ventilation, 1,37

Hypotension, 1,8

Hypoxemia in ARDS, 3,131

diffusion impairment, 3,115

increased shunt, 3,114-115 low ventilation to perfusion, 3,115

venous admixture, 3,114

equations, 1,38, 1,39

oxygenation, 1,40-41

pathophysiology, 1,38

recognition, 1,38

treatment, 1,40

Hypoxemia, mechanisms of, 3,114-115

Hypoxemic respiratory failure, 1,38-42

arterial blood gas analysis, 1,38

assessment during support, 1,41

differential diagnosis, 1,38-39

Immune system, role of, 2,49
Impaired carbon dioxide elimination,
3,115-116
Impedance measurement, 3,144
Increased airway resistance, 1,34
Infantile respiratory distress syndrome,
3,100

Inspiratory flow rates, 1,6 Inspiratory flow resistance, 1,34 Inspiratory force, 3,143 Inspiratory stridor, 1,2, 1,6 Inspired and expired gas analysis, 3.147-148 Inspired oxygen, fraction of, 3,128-129 Intermittent mandatory ventilation (IMV), 3,129-131 Intermittent positive pressure ventilation (IPPV), 3,130 Intralipid, 2,83 Intubation hypercapnic respiratory failure, 1,37 hypoxemic respiratory failure, 1,41 Iodized contrast medium, 2,82-83 Isoniazid (INH), 3,178-179, 3,197, 4.229-231 and rifampin combination, 4,223-224 Isoprenaline (Isoproterenol), 2,81

Isotonic salt solution (ISS), 3,125-126

Kanamycin (KM), 4,198-199 Koch, Robert, 4,182 Kussmaul's sign, 1,26

Laboratory services for tuberculosis, 4.182-195 background, 4,182 chemotherapy adequacy, 4,187 diagnosis of disease, 4,182-184 direct method, 4,183 drug resistance, 4,185-187 drug susceptibility tests, 4,186-187 drug toxicity, 4,187 fluorochrome method, 4,183 level concept, 4,188-189 laboratory data, 4,191-192 mycobacterial pathogens, 4,184-185 noncooperative patients, 4,188 responsibilities, 4,182-183 scope and capabilities, 4,191 specimens collection, 4,189-190 specimens transport, 4,191 studies, 4,186-187 Laerdal system, 1,13 Laryngeal injury, 1,7-8 Laryngeal nerve, recurrent, 1,11 Leukoagglutinins, 2,82 Lipid peroxidation, 2,48 Ludwig's angina, 1,10 Lung effects of drugs on, see Individual drugs injury, 3,124-125 physiology, 3,123-124 Lung transplantation, 3,169 Lung, two-compartment, 3,109

Mass spectrometry, 3,146-147
Mechanics, bedside measurement, 3,144
Metabolic activation, 2,45
Methadone, 2,62-63
effects on respiration, 2,62-63
lung injury, mechanism of, 2,63
pulmonary edema, 2,62
use and abuse, 2,62
Mercury, 2,83
Methotrexate, 2,93
Methyldopa, 2,55
Methysergide, 2,84
Metoprolol, 2,85

Lymphangiograms, 2,82-83

Microembolism syndrome, 3,105 Microvascular, 3,109 Miliary tuberculosis, diagnosis of, 4,207 Mitomycin, 2,94 Morphine, see Heroin Mycobacterium avium-intracellulare complex disease, 4,233-239 chemotherapy, 4,235-236 diagnostic considerations, 4,233-235 disease criteria, 4,234 drugs and dosage, 4,237 extrapulmonary disease, 4,238 National Jewish Hospital, 4,236-237 pathogenesis, 4,234-235 predisposing factors, 4,233 surgery, 4,237-238 treatment, 4,235-238 Mycobacterium fortuitum complex organisms, 4,240-243 case summary, 4,241 clinical data, 4,240-241 discussion, 4,241-242 optimal therapy, 4,242 resistance of, 4,240 Mycobacterium Kansasii, 4,228-232 chemotherapy evaluation, 4,229-230 diagnostic criteria, 4,228-229 drug toxicity, 4,230 recommendations, 4,231 relapses, 4,231 Myocardial contractility, increased, 1,22

Nadolol, 2,85 Naloxone, 2,61-62, 2,66 Narcotism and lung injury incidence, 2,59 lung pathology, 2,66 Nasal trauma, 1,3 Nasogastric tube, 1,28 Nasotracheal intubation, 1,14 Neoplasms of upper airway, 1,11 Neurogenic pulmonary edema, 3,152 Neuromuscular disease, 1,35 Nitrofurantoin, pulmonary reaction to, 2.70-75 acute form, 2,71-72 case histories, 2,72, 2,73-74 chronic form, 2,72-73 clinical features, 2,71 diagnosis, 2,74 histopathology, 2,71 hypoxemia, 2,72 incidence, 2,70 pathogenesis, 2,70-71 therapy and prognosis, 2,74 Nitrosureas, 2,92-93

On-line mechanics, 3,148-149

Oral contraceptives, 2,84-85 Orotracheal intubation, 1,13 Osmolar clearance, 3,141 Osmotic gradient, 3,112 Overperfusion pulmonary edema, 3,106 Oxygenation, arterial, and cardiac output, 3.119-120 Oxygenation, improved, 1,21 Oxygen consumption and transport, 3,120-121 Oxygen therapy, 1,17, 1,30-32, 1,35 controlled respiration, 1,31-32 drug-induced pulmonary disease, 2,80 hypoxemic respiratory failure, 1,40 masks, 1,30-31 oxygen flow, 1,31 spontaneous respiration, 1,30-31

Oxygen toxicity, 2,46-47, 3,129 antibiotics, 3,156 corticosteroids, 3,154 Oxygen uptake, 3,120

Pancreatitis and antibiotics, 3,156 and corticosteroids, 3,154 Paraquat toxicity, 2,47-48 PEEP, see Positive and expiratory pressure Penicillamine therapy, 2,55, 2,85 Wilson's disease, 2,56 Pericardiocentesis, 1,26-27 Perimicrovascular, 3,109 Peritonsillar abscess (Quinsy), 1,10 Perivascular osmotic pressure, 3,112 Permeability edema, 1,40, 2,60, 3,110 Physical examination, 3,141 Physiologic dead space, 3,143-144 Pituitary snuff, 2,82 Plasma and urine osmolarity, 3,141 Platelets and ARDS, 3,166 Pleural effusion, 2,94 Pleuropulmonary fibrosis, 2,84 Pneumonia and heroin, 2,61 Pneumonitis, nitrofurantoin induced, 2,72 Pneumotachographs, 3,148 Fleish, 3,148 Pneumothorax, 1,24-25 open, 1,24 simple, 1,24 signs of, 1,25 technical considerations in decompressing the pleural space, 1,25-26 tension, 1,24-25 Polymorphonuclear neutrophils, 3,165-166 Polymyxin, 2,82 Positive end expiratory pressure (PEEP), 2.59, 3,128-129 and ARDS, 3,118 barotrauma, 3,133 best PEEP, 3,119, 3,131, 3,134 effect on cardiac output, 3,132-133, 3.135 effect on oxygenation and lung volume, 3,131-132 effect on wedge pressure, 3,136 evaluation and application, 3,134-136 goals, 3,133-134 hypoxemic respiratory failure, 1,41 minimal, 3,133 optimal level, 3,119, 3,134 prophylactic, 3,136 reduction, 3,136-137 super PEEP, 3,133, 3,134 Preload reduction, 1,21-22 Pre-vertebral space abscess, 1,10 Propanolol, 2,85 Propoxyphene, 2,63-66 apnea, 2,65 characteristics, 2,64 lung injury, mechanism of, 2,65 lung pathology, 2,65-66 mortality, 2,65 overdose and abuse, 2,64-65 pulmonary edema, 2,65 structure, 2,63-64 treatment, 2,66 Procainamide, 2,51, 2,55, 2,56 Procarbazine, 2,93-94 Prostheses, implantation of, 3,169 Proteases and acute lung injury, 3,104

Pulmonary disease, chemotherapeutic drug-induced, 2,89-96 classification, 2,89, 2,90 drugs, 2,90-94 literature review, 2,89-90 mechanism of, 2,89 radiation therapy, 2,94 symptoms, 2,90 Pulmonary disease, drug-induced, 2,76-88 adverse drug reactions, 2,76 anti-inflammatory/immunosuppressive agents, 2,78-80 classifications, 2,77 inhalants, 2,80-82 intravenous agents, 2,82-83 miscellaneous agents, 2,83-86 Pulmonary disease, drug-induced, molec ular mechanisms of, 2,45-50 alkylating drug intermediates, 2,48-49 immune system, role of, 2,49 nitrofurantoin, 2,48 oxygen toxicity, 2,46-47 paraquat toxicity, 2,47-48 Pulmonary edema, 1,20-23 afterload reduction, 1,22 defined, 1,20 etiologic factors, 1,21 improved oxygenation, 1,21 incidence, 1,20-21 increased myocardial contractility, 1,22 leakage sites, 3,109-110 membrane characteristics, 3,111-112 preload reduction, 1,21-22 treatment, 1,21-22 Pulmonary edema and heroin, 2,59-61 antidiuresis, 2,61 high altitude, 2,60-61 high pressure, 2,60 hypoxemia, 2,60 immunologic abnormalities, 2,61 mortality rate, 2,59 permeability, 2,60 Pulmonary edema and methadone, 2,62 Pulmonary edema and propoxyphene, 2,65 Pulmonary function following ARDS, 3.160-164 case histories, 3,161-164 lung recovery, 3,161 mortality rate, 3,160 oxygen toxicity, 3,161 Pulmonary granulomatosis, 2,66-67 Pulmonary infiltrate/eosinophilia (PIE), 2,85-86 Pulmonary microvascular injury, putative mediators of, 3,106 Pulmonary oxygen toxicity, 1,30 Pulmonary vascular resistance (PVR), 3.132 Pulsus paradoxus, 1,16, 1,26 Pyrazinamide (PZA), 4,198

Radiation pneumonitis, 2,94 and antibiotics, 3,156 and corticosterods, 3,154 Radiation therapy, 2,94 Radiologic examination, 3,142 Reflection coefficient, 3,112 Respiratory acidosis, 1,35 Respiratory burns and smoke inhalation and antibiotics, 3,156 and corticosteroids, 3,154–155 Respiratory monitoring, 1,41, 3,140–150 computers, 3,146 diagnostic studies, 3,140–146 inspired and expired gas analysis, 3,147–148 mass spectrometry, 3,146-147 on-line mechanics, 3,148-149 technique development, 3,149 Respiratory tract burns, 1,9 Respiratory muscle weakness, 1,33 Retropharyngeal space abscess, 1,10 Rib fracture, 1,26 Rifampin (RM), 3,197-198, 4,229-231 and isoniazid combination, 4,223-224 Runyon classification, 4,184

Salicylates, 2,79-80 Salpingitis, 4,211 Self-assessment questions, 1,4-5,15,19,29, 32,37,42; 2,50,58,69,75,88,96; 3,103, 108,113,122,127,139,150,158-159, 164,171-172; 4,181,194-195,201, 213-214.226-227.232.239.242-243 answers, 1,43, 2,98, 3,174, 4,245 Sepsis and shock and antibiotics, 3,156-157 and corticosteroids, 3,155 Shunt, 3,129 Siggard-Anderson Nomogram, 1,37 Sputum, processing of, 4,184 Starling equation, 1,20, 1,39, 1,40, 3,123 lung fluid increase, 1,20 Static compliance, 3,145 curve, 3,148 total, 3,130, 3,135 Staub equation, 3,109 Stiff lungs, 3,99, 3,102 Streptomycin (SM), 4,198-199 Stricture formation, 1,8 Surfactant, 3,167 Surfactant abnormalities, in ARDS, 3,101-102 Systemic lupus erythematosus (SLE), 2.51-58 antinuclear antibody specificity, 2,53 clinical manifestations, 2,51-52 diagnosis, 2,51 drug metabolism, 2,53-54 drugs that may induce, 2,51 hypersensitivity reaction, 2,54 immune response, inhibition of, 2,54 laboratory abnormalities, 2,52-53 nuclear constituents, 2,54 pathogenesis, 2,53-55 potential SLE-inducing drugs, 2,56 treatment, 2,55-56

Thoracic aortic injury, 1,27-28 Thyroidectomy, 1,11 Tidal volume, 3,130,143 Timolol, 2,85 Tracheat injury, 1,7-8 Tracheal intubation, 1,4 Tracheal stenosis, 1,8 Tracheobronchial rupture, 1,28 Tracheostomy, 1,6-7 Traumatic wet lung, 3,99 Truant technique, 4,183 Tuberculin test, 4,203-205 anergy skin tests, 4,204 booster effect, 4,204-205 false-negative result, 4,204 Mantoux test, 4,203-204 multiple puncture tests, 4,203 patch test, 4,203 tuberculins, 4,203 **Tuberculosis** antimycobacterial drugs, 4,196-201

changes in care for, 4,176 contacts of patients, 4,176-177 containment of, 4,176 diagnosis, 4,202-214; See also Tuberculosis, diagnosis incidence, 4,175 infectiousness of patients, 4,175-176 laboratory, role of, 4,182-195; See also Laboratory services preventive therapy, 4,177-179 suspecting, 4,175 treatment, 4,215-227; See also Tuberculosis, treatment vaccination, 4,179-180 Tuberculosis, diagnosis, 4,202-214 bacteriology, 4,205 bone and joint, 4,209-210 chest x-ray, 4,206 exposure history, 4,203 extrapulmonary, 4,206 genitourinary, 4,210-211 lymph node, 4,212-213 medical history, 4,203 meningeal, 4,207-208 miliary, 4,207 pericardial, 4,208-209 peritoneal, 4,209 physical examination, 4,202-203 pleura, 4,210 skin, 4,212 thoracic symptoms, 4,202 tuberculin test, 4,203-205; See also Tuberculin test upper respiratory tract, 4,211-212 Tuberculosis, treatment, 4,215-227 chemotherapy, 4,216,224 children, 4,221-222 continuation phase of original treatment, 4,218-219 drug-resistant, 4,219-22i drugs, choice of, 4,215-216 extrapulmonary, 4,221 hepatitis, 4,222

hospitalization for, 4,225-226

initial phase of original treatment, 4,216-218 pregnancy, 4,222 pretreatment drug susceptibility studies, 4,222-223 private physician, 4,224-225 renal failure, 4,222 self-administered versus supervised treatment, 4,224 toxicity, 4,223-224

U.S. National Academy of Sciences-National Research Council. Committee on Trauma of the Division of Medical Sciences. 1968 Conference, Washington D.C., 3,99-100
Upper airway obstruction, see Acute upper

airway obstruction
Urine output, 3,141
Urine specific gravity, 3,141
Urokinase Streptokinase Pulmonary Embolism Trial (UPSET) study, 2,84-85

Valsalva maneuver, 1,26 Venous admixture equation, 3,114 Venous return (VR), 3,132 Ventilation hypoxemic respiratory failure, 1,41 mechanical, 1,18, 3,129-131 tidal volume mode, 3,128-131 Ventilators, 3,169 Vocal cord paralysis, 1,11

World Healt'. Organization (WHO), on laboratory services, 4,183,186,192

Xanthine derivatives, 1,17-18

Ziehl-Neelsen technique, 4,183

AUTHORS' INDEX

Ahn, Chai H, 4,228-232 Albert, Richard K., 3,109-113 Ali, Jameel, 1,24-29

Bone, Roger C., 3,140-150 Brashear, Richard E., 2,59-69 Bristow, Gerald, 1,1-5, 1,12-15, 1,16-19, 1,20-23, 1,30-32

Carrico, C. James, 3,123-127

Dalovisio, Joseph R., 4,240-243 Davidson, Paul T., 4,215-232, 4,233-239

Farer, Laurence S., 4,175-181 Fernandez, Enrique, 4,202-214

Gangadharam, Pattisapu R., 4,182-195 Ginsburg, William W., 2,51-58 Gcble, Marian, 4,215-232

Hempel, Franklin G., 3,165-172 Hudson, Leonard D., 3,128-139, 3,160-164 Hurst, George A., 4,228-232 Hyers, Thomas Morgan, 3,104-108

Kirk, Bryan, 1,33-37, 1,38-42

Lakshminarayan, S., 3,160-164 Lauterburg, Bernhard H., 2,45-50 Lefkowitz, Martin S., 4,196-201 Lenfant, Claude J. M., 3,165-172 Luce, John M., 3,150-159

McCullough, David, 1,6-11 Mitchell, Jerry R., 2,45-50 Moulding, Thomas S., 4,215-227

Petty, Thomas L., 3,99-103 Pierson, David J., 3,150-159 Prakash, Udaya B. S., 2,70-75

Rabson, John, 1,20-23 Ralph, David, 3,114-122 Robertson, H. Thomas, 3,114-122 Rosenow, Edward C. III, 2,76-88, 2,89-96

Smith, Charles V., 2,45-50 Stothert, Joseph C. Jr., 3,123-127